

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard

Butte Slough Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	M
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Butte Slough Outfall Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Colusa Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Goose Lake Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	U

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Highland Canal Diversion Weir And Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	M
	Culverts: Inlets / Outlets	M
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Little Chico Creek Control And Weir Structures

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

M&T Ranch Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Middle Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	M
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	N
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Moulton Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Nelson Bend

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Weir No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	A
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Tisdale Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Wadsworth Canal Weir No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
Unit Cover Sheet
2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Butte Slough Drainage Structure

Structure Rating	A
Date of Inspection	08/19/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_1					
Action/Comments						
Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.						

Photo 1 of 4 : ST_2014_NA0060_38_1_20140825_00004.jpg



Butte Slough Drainage structure on the water side.

Photo 2 of 4 : ST_2014_NA0060_38_1_20140825_00005.jpg



Butte Slough Drainage structure outfall.

Photo 3 of 4 : ST_2014_NA0060_38_1_20140825_00006.jpg



View of debris preventing the flap gate from proper function.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_1				
Action/Comments					
Inspector Comments: Butte Slough Drainage structure shown on the					

Photo 4 of 4 : ST_2014_NA0060_38_1_20140825_00007.jpg



Butte Slough Drainage structure on the land side.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_2				
Action/Comments					
Inspector Comments: There is minimal vegetation and debris on the land side, but it does not impede the flow into the structure. The outfall is clear of vegetation.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation is present.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_5					
Action/Comments						
Inspector Comments: Cobble is grouted in place around the outfall. It appears to be in good condition.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_6					
Action/Comments						
Inspector Comments: No encroachments or obstructions present.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	M	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_7				
Action/Comments					
Inspector Comments: The culvert outlet has some debris which must be removed.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Culverts: Breaks / Holes / Cracks	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_8				
Action/Comments					
Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Metal Pipes	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_9				
Action/Comments					
Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	10	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Racks			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_10					
Action/Comments						
Inspector Comments: There are no trash racks on this structure.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_11				
Action/Comments					
Inspector Comments: The flap gate appears to be in proper working condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_12				
Action/Comments					
Inspector Comments: No sluice or slide gates are present.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_13				
Action/Comments					
Inspector Comments: No electric gate operators present.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_14				
Action/Comments					
Inspector Comments: No manual gate operators on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_15				
Action/Comments					
Inspector Comments: No concrete surfaces to inspect. Grouted cobble has been addressed as a revetment.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Tilting / Settlement			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_16					
Action/Comments						
Inspector Comments: This does not apply to this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_17				
Action/Comments					
Inspector Comments: No concrete foundation or structure present.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_18				
Action/Comments					
Inspector Comments: No security fencing present.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_19				
Action/Comments					
Inspector Comments: Closure structure appears to be functioning and in working condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_20				
Action/Comments					
Inspector Comments: There is no trash rake on this facility.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2013_21				
Action/Comments					
Inspector Comments: No other metallic items other than the culvert.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_22				
Action/Comments					
Inspector Comments: No joints to inspect.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_23				
Action/Comments					
Inspector Comments: There are no safety issues, the facility is located well off of any path of travel. Safety hardware is unnecessary, there are no hazardous conditions that would affect the operation of the facility					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2013_24				
Action/Comments					
Inspector Comments: O&M is available at the office.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Butte Slough Outfall Structure

Structure Rating	A
Date of Inspection	08/19/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_1				
Action/Comments					
Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.					

Photo 1 of 4 : ST_2014_NA0060_42_1_20140825_00003.jpg



View of the Butte Slough Outfall Structure on the land side.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2014_NA0060_42_1_20140825_00004.jpg



View of the mechanical gate operation mechanism.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2014_NA0060_42_1_20140825_00005.jpg



View of the Butte Slough Outfall Structure on the water side.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_1				
Action/Comments					
Inspector Comments: Photos showing water side and land side views of					

Photo 4 of 4 : ST_2014_NA0060_42_1_20140825_00006.jpg



View of the stop log slots on the water side.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_2				
Action/Comments					
Inspector Comments: No vegetation obstructing structure or impeding flow.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_4				
Action/Comments					
Inspector Comments: No erosion or bank caving was observed on either the land or water side.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_5				
Action/Comments					
Inspector Comments: Existing cobble on landside appears to be in good condition and is clearly visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_6				
Action/Comments					
Inspector Comments: No encroachments or obstructions are visible.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_7				
Action/Comments					
Inspector Comments: There does not appear to be sediment, debris or vegetation blocking the inlets or outlets.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_8				
Action/Comments					
Inspector Comments: Culverts were submerged at the time of this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_9				
Action/Comments					
Inspector Comments: Pipes were fully submerged at the time of the inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_10				
Action/Comments					
Inspector Comments: No trash racks on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_11				
Action/Comments					
Inspector Comments: Flap gates were fully submerged at the time of this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_12				
Action/Comments					
Inspector Comments: Gates appear to be operating normally.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_13				
Action/Comments					
Inspector Comments: No electric gate operators at this facility.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_14				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition, they are lubricated and appear to move freely.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_15				
Action/Comments					
Inspector Comments: Concrete appears to be in very good shape, no visible spalling, cracking or scaling.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_16				
Action/Comments					
Inspector Comments: No evidence of tilting sliding or settlement.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_17				
Action/Comments					
Inspector Comments: No evidence of erosion, scouring or undermining near the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_18				
Action/Comments					
Inspector Comments: There is a security gate on the road, but no security fencing to inspect.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_19				
Action/Comments					
Inspector Comments: There is no separate closure structure aside from the manually operated sluice gates on the waterside of the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_20				
Action/Comments					
Inspector Comments: No trash rake at this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_21				
Action/Comments					
Inspector Comments: Metal railings and catwalks are painted or coated to prevent corrosion.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_22				
Action/Comments					
Inspector Comments: Joints appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_23				
Action/Comments					
Inspector Comments: Railing is in place at manual sluice gate controls.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2013_24				
Action/Comments					
Inspector Comments: O&M is available at the office.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2014 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Colusa Weir

Structure Rating	A
Date of Inspection	07/08/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_1				
Action/Comments					

Photo 1 of 4 : ST_2014_NA0060_55_1_20140708_00004.jpg



This view is of the Colusa Weir structure from the right bank of the levee.

Photo 2 of 4 : ST_2014_NA0060_55_1_20140708_00005.jpg



This is the upstream view of the Colusa Weir structure.

Photo 3 of 4 : ST_2014_NA0060_55_1_20140708_00006.jpg



This is the downstream view of the Colusa Weir structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.232135 °	39.232135 °	
				-121.996253 °	-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_1					
Action/Comments						

Photo 4 of 4 : ST_2014_NA0060_55_1_20140708_00007.jpg



This view is of the Colusa Weir structure from the left bank of the levee.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_6				
Action/Comments					
Inspector Comments: The trash and debris has been removed.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t _ 2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t _ 2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t _ 2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t _ 2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t _ 2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t _ 2012_15				
Action/Comments					
Inspector Comments: Negligible spalling, scaling or cracking.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_16				
Action/Comments					
Inspector Comments: Negligible spalling, scaling or cracking.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t _ 2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t _ 2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t _ 2013_24				
Action/Comments					
Inspector Comments: All handrails and guard rails are free of corrosion that would affect safety.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_23				
Action/Comments					
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2014_21				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Goose Lake Overflow Structure

Structure Rating	M
Date of Inspection	08/15/2014
DWR Inspector	Bob Duffey
Accompanied By	Jason Copper Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_1				
Action/Comments					

No Photos

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.569247 °	39.569247 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_2				
Action/Comments					
Inspector Comments: Spray the vegetation for approximately 100 feet on both sides of the weir.					

Photo 1 of 1 : ST_2014_NA0060_225_2_20140821_00003.jpg



View of the vegetation on both sides of the weir.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_4				
Action/Comments					
Inspector Comments: No active erosion.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_6				
Action/Comments					
Inspector Comments: There is no debris at this location.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_15				
Action/Comments					
Inspector Comments: Farm equipment needs to stay off of the weir to prevent further damage to the concrete surface.					

Photo 1 of 1 : ST_2014_NA0060_225_15_20140821_00004.jpg



View of the concrete crown roadway on top of the weir.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_16				
Action/Comments					
Inspector Comments: There are no surface areas of tilting.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_17				
Action/Comments					
Inspector Comments: There is no erosion or undermining near the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_22				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_24				
Action/Comments					
Inspector Comments: The yard maintains good safety procedures and no hazards were observed.					

No Photos

LM Start	0.00	Rating **	U	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_23				
Action/Comments					
Inspector Comments: The weir has not been maintained in several years. Documentation regarding this structure is still being researched.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Highland Canal Diversion Weir And Drainage Structure

Structure Rating	A
Date of Inspection	08/12/2014
DWR Inspector	Pavel Kazi
Accompanied By	Brian Stringer Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_1				
Action/Comments					
Inspector Comments: Highland Canal Diversion Weir works as a control point that diverts water through a culvert during high water season.					

Photo 1 of 2 : ST_2014_NA0060_7_1_20140818_00011.jpg



View of the weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0060_7_1_20140818_00012.jpg



Alternate view of the weir.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_2				
Action/Comments					
Inspector Comments: There was vegetation growth such as cat tails					

Photo 1 of 3 : ST_2014_NA0060_7_2_20140818_00014.jpg



View of the vegetation growth on the inlet of the structure.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	2 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Vegetation & Obstructions			39.126317 °		39.126317 °
				-122.882733 °		-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_2					
Action/Comments						
Inspector Comments: There was vegetation growth such as cat tails and bushes in the structure which might impede the flow of water through the culvert.						

Photo 2 of 3 : ST_2014_NA0060_7_2_20140818_00016.jpg



View of vegetation on the outlet of the structure.

LM Start	0.00	Rating **	M	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2014_NA0060_7_2_20140818_00024.jpg



Another view of the vegetation on the inlet of the structure.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation was present.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or active bank caving was observed around the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Revetments	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_5				
Action/Comments					
Inspector Comments: No riprap was present at this structure.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_6				
Action/Comments					
Inspector Comments: Minimal debris was found on outlet of the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_7				
Action/Comments					
Inspector Comments: Vegetation was blocking less than 10% of the culverts opening.					

Photo 1 of 2 : ST_2014_NA0060_7_7_20140818_00017.jpg



View of inlet of the culvert.

LM Start	0.00	Rating **	M	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0060_7_7_20140818_00020.jpg



View of outlet of the structure.

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_8				
Action/Comments					
Inspector Comments: There were no visible breaks, holes or cracks					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_9				
Action/Comments					
Inspector Comments: The outlet pipes appeared to be in good condition.					

Photo 1 of 1 : ST_2014_NA0060_7_9_20140818_00019.jpg



View of the outlet pipes.

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_11				
Action/Comments					
Inspector Comments: The flap gates appeared to be in working condition.					

Photo 1 of 2 : ST_2014_NA0060_7_11_20140818_00021.jpg



View of the flap gates.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	11 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_11				
Action/Comments					
Inspector Comments: The flap gates appeared to be in working condition.					

Photo 2 of 2 : ST_2014_NA0060_7_11_20140818_00023.jpg



An alternate view of the flap gates.

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_14				
Action/Comments					
Inspector Comments: Manual gate operator appeared to be in good working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_15				
Action/Comments					
Inspector Comments: There was minimal cracking and scaling on the concrete structure, but it didn't threaten structural integrity.					

Photo 1 of 1 : ST_2014_NA0060_7_15_20140818_00022.jpg



View of the concrete structure.

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_16				
Action/Comments					
Inspector Comments: There was no settlement or tilting observed that threatened the structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_17				
Action/Comments					
Inspector Comments: No scouring or erosion was found near the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_19				
Action/Comments					
Inspector Comments: Closure structure was in good condition.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0060_7_t_2014_22				
Action/Comments					
Inspector Comments: The monolith joints material were in good condition.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_23				
Action/Comments					
Inspector Comments: There were no safety hazards around the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0060_7_t_2013_24				
Action/Comments					
Inspector Comments: The district has the O&M manual in their office.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Little Chico Creek Control And Weir Structures

Structure Rating	A
Date of Inspection	n/a
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_1				
Action/Comments					

Photo 1 of 4 : ST_2014_NA0060_9_1_20140721_00008.jpg



This is a photo of the control structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2014_NA0060_9_1_20140721_00009.jpg



This is a photo of the downstream side of the control structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2014_NA0060_9_1_20140721_00010.jpg



This is a photo of the upstream side of the control structure.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_1				
Action/Comments					

Photo 4 of 4 : ST_2014_NA0060_9_1_20140721_00011.jpg



This is a picture of the weir.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_2				
Action/Comments					
Inspector Comments: There is some vegetation, a few small trees, and some debris on the weir. The flow may be impeded.					

Photo 1 of 2 : ST_2014_NA0060_9_2_20140721_00006.jpg



This is a view looking downstream.

LM Start	0.00	Rating **	M	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0060_9_2_20140721_00007.jpg



This is a view looking upstream.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Shoaling / Sedimentation			39.733767 °	39.733767 °	
				-121.771915 °	-121.771915 °	
DWR ID	DWR_NA0060_9_t_2012_3					
Action/Comments						
Inspector Comments: There is shoaling and sedimentation, the flow						

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Erosion / Bank Caving	39.733767 °		39.733767 °	
		-121.771915 °		-121.771915 °	
DWR ID	DWR_NA0060_9_t_2012_4				
Action/Comments					
Inspector Comments: No erosion observed.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Revetments	39.733767 °		39.733767 °	
		-121.771915 °		-121.771915 °	
DWR ID	DWR_NA0060_9_t_2012_5				
Action/Comments					
Inspector Comments: Riprap seemed to be in place and sufficient.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_6				
Action/Comments					
Inspector Comments: No encroachments observed.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			39.733767 °		39.733767 °
				-121.771915 °		-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_9					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	39.733767 °		39.733767 °	
		-121.771915 °		-121.771915 °	
DWR ID	DWR_NA0060_9_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_14				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good condition.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			39.733767 °		39.733767 °
				-121.771915 °		-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_15					
Action/Comments						
Inspector Comments: The concrete surface appears to be in good condition.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_16				
Action/Comments					
Inspector Comments: No significant areas of tilting, sliding of settlement.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_17				
Action/Comments					
Inspector Comments: The concrete foundation appears to be in good condition.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	18	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Security Fencing			39.733767 °		39.733767 °
				-121.771915 °		-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_18					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_19				
Action/Comments					
Inspector Comments: The closure structure appears to be in good condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	39.733767 °		39.733767 °	
		-121.771915 °		-121.771915 °	
DWR ID	DWR_NA0060_9_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t_2012_22				
Action/Comments					
Inspector Comments: Monolith joints appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.733767 °		39.733767 °	
		-121.771915 °		-121.771915 °	
DWR ID	DWR_NA0060_9_t_2012_23				
Action/Comments					
Inspector Comments: Hand rails are installed.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.733767 °	39.733767 °
				-121.771915 °	-121.771915 °
DWR ID	DWR_NA0060_9_t _ 2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
M&T Ranch Overflow Structure

Structure Rating	A
Date of Inspection	08/15/2014
DWR Inspector	Bob Duffey
Accompanied By	Jason Copper Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_1				
Action/Comments					

No Photos

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.674690 °	39.674690 °
				-121.947013 °	-121.947013 °
DWR ID	DWR_NA0014_228_t_2013_2				
Action/Comments					
Inspector Comments: The vegetation should be sprayed back approximately 20 feet from both sides of the weir.					

Photo 1 of 1 : ST_2014_NA0060_228_2_20140821_00003.jpg



View of the vegetation that is next to the weir.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	39.674690 °		39.674690 °	
		-121.947010 °		-121.947010 °	
DWR ID	DWR_NA0014_228_t_2013_3				
Action/Comments					
Inspector Comments: There is no shoaling or sedimentation present.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.668789 °	39.668789 °
				-121.957170 °	-121.957170 °
DWR ID	DWR_NA0014_228_t_2013_4				
Action/Comments					
Inspector Comments: The soil erosion on the upstream side of the weir needs repair.					

Photo 1 of 1 : ST_2014_NA0060_228_4_20140821_00004.jpg



View of the erosion of the material that was placed on the upstream side of the weir.

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_6				
Action/Comments					
Inspector Comments: There is no debris along the riprap.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_15				
Action/Comments					
Inspector Comments: There is no spalling or cracking at the site.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_16				
Action/Comments					
Inspector Comments: There are no significant areas of tilting at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_17				
Action/Comments					
Inspector Comments: There is no erosion or undermining of the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_22				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_23				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a safety program in place.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.674690 °		39.674690 °	
		-121.947010 °		-121.947010 °	
DWR ID	DWR_NA0014_228_t_2013_24				
Action/Comments					
Inspector Comments: No O&M Manual containing operation and maintenance guidelines exists for this structure. Other documentation is being researched.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2014 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Middle Creek Pumping Plant

Pumping Plant Rating	A
Date of Inspection	08/12/2014
DWR Inspector	Pavel Kazi
Accompanied By	Brian Stringer Sutter Maintenance Yard (DWR)

**Flood Control Project Maintenance
Levee Inspections**

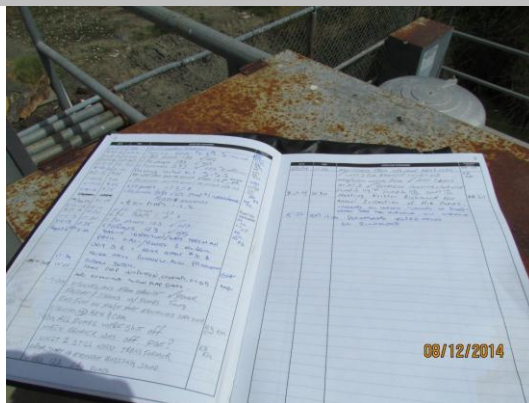
Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operating Log			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_1				
Action/Comments					
Inspector Comments: The operation log was up to date and present at the pump station.					

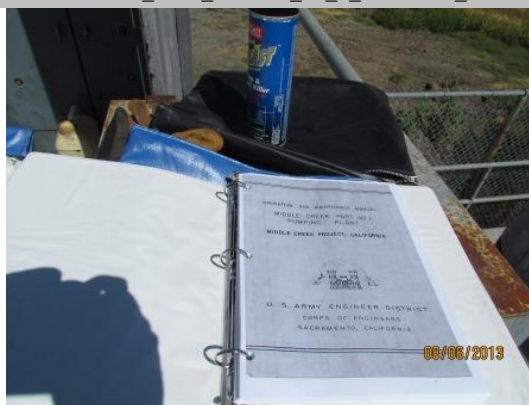
Photo 1 of 1 : ST_2014_NA0060_17_1_20140819_00017.jpg



View of the operation log.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_2				
Action/Comments					
Inspector Comments: The O&M manual was present at the pumping plant.					

Photo 1 of 1 : ST_2014_NA0060_17_2_20140709_00002.jpg



View of the O&M manual.

LM Start	0.00	Rating **	M	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Plant Building			39.142300 °	39.142300 °	
				-122.902350 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t_2012_3					
Action/Comments						
Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.						

Photo 1 of 2 : ST_2014_NA0060_17_3_20140819_00018.jpg



View of the pumping plant.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Plant Building			39.142300 °	39.142300 °	
				-122.902350 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t_2012_3					
Action/Comments						
Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.						

Photo 2 of 2 : ST_2014_NA0060_17_3_20140819_00019.jpg



View of the settlement next to the pumping plant.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_4				
Action/Comments					
Inspector Comments: A cellular phone is available for the pump station operator.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_5				
Action/Comments					
Inspector Comments: No safety hazard was present around the plant. All of the rail guards and fences were secured and in good condition.					

Photo 1 of 1 : ST_2014_NA0060_17_5_20140819_00020.jpg



View of the security fence and guard rails around the pumping plant.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Cranes			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_6				
Action/Comments					
Inspector Comments: A crane doesn't exist at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_7				
Action/Comments					
Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level.					

Photo 1 of 3 : ST_2014_NA0060_17_7_20140819_00021.jpg



View of the pumps.

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2014_NA0060_17_7_20140819_00022.jpg



View of bottom of a pump.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	7 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Pumps			39.142300 °	39.142300 °	
				-122.902350 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t_2012_7					
Action/Comments						
Inspector Comments: The pumps appeared to be in good working						

Photo 3 of 3 : ST_2014_NA0060_17_7_20140819_00023.jpg



View of the two of the three pumps.

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Power			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_8				
Action/Comments					
Inspector Comments: The power source appeared to be reliable and safe.					

Photo 1 of 1 : ST_2014_NA0060_17_8_20140819_00024.jpg



View of the power source of the plant.

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_10				
Action/Comments					
Inspector Comments: There were no motors or fans present at this plant other than the pumps.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_11				
Action/Comments					
Inspector Comments: The pump control systems appeared to be operational and free of damage.					

Photo 1 of 1 : ST_2014_NA0060_17_11_20140819_00025.jpg



View of the pump control systems.

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_12				
Action/Comments					
Inspector Comments: Wet wells were clear of debris.					

Photo 1 of 1 : ST_2014_NA0060_17_12_20140819_00032.jpg



View of the wet well.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_13				
Action/Comments					
Inspector Comments: Trash racks appeared to be in good condition and free of debris.					

Photo 1 of 1 : ST_2014_NA0060_17_13_20140819_00027.jpg



View of the trash racks.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_14				
Action/Comments					
Inspector Comments: A trash rake doesn't exist at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_15				
Action/Comments					
Inspector Comments: The slide gates appeared to be in a good working condition.					

Photo 1 of 2 : ST_2014_NA0060_17_15_20140819_00028.jpg



View of the slide gates.

LM Start	0.00	Rating **	A	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0060_17_15_20140819_00029.jpg



An alternate view of the slide gates.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_16				
Action/Comments					
Inspector Comments: No electric gate operator was present in this plant.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_17				
Action/Comments					
Inspector Comments: The manual gate operators appeared to be in good working condition.					

Photo 1 of 2 : ST_2014_NA0060_17_17_20140819_00030.jpg



View of one of the manual operators at the plant.

LM Start	0.00	Rating **	A	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0060_17_17_20140819_00031.jpg



View of a manual operator at the plant.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_18				
Action/Comments					
Inspector Comments: All other metallic parts appeared to be in good					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_19				
Action/Comments					
Inspector Comments: Flap gates don't exist at this location. Instead a backflow prevention device is used to perform similar task as the flap gates.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure exists in this plant.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_21				
Action/Comments					
Inspector Comments: Security fencing appeared to be in good condition.					

Photo 1 of 1 : ST_2014_NA0060_17_21_20140709_00016.jpg



View of the security fencing around the plant.

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_22				
Action/Comments					
Inspector Comments: The pipes appeared to be in good working condition.					

Photo 1 of 1 : ST_2014_NA0060_17_22_20140819_00033.jpg



View of the intake pipes at the pumping plant.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2014 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Moulton Weir

Structure Rating	A
Date of Inspection	07/08/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_1				
Action/Comments					

Photo 1 of 3 : ST_2014_NA0060_4_1_20140708_00004.jpg



This is a view of the Moulton Weir taken from the right bank levee.

Photo 2 of 3 : ST_2014_NA0060_4_1_20140708_00005.jpg



This is a upstream view of the Moulton Weir.

Photo 3 of 3 : ST_2014_NA0060_4_1_20140708_00006.jpg



This is a downstream view of the Moulton Weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Breaks / Holes / Cracks	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_15				
Action/Comments					
Inspector Comments: Negligible spalling, scaling or cracking.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_16				
Action/Comments					
Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_23				
Action/Comments					
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2014 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Nelson Bend

Structure Rating	A
Date of Inspection	07/11/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_1				
Action/Comments					
Inspector Comments: North end 38.89550 -121.61695, South end 38.88745 -121.61533					

Photo 1 of 3 : ST_2014_NA0060_54_1_20140721_00006.jpg



This photo was taken looking upstream from the weir.

Photo 2 of 3 : ST_2014_NA0060_54_1_20140721_00007.jpg



This photo was taken looking downstream from the weir.

Photo 3 of 3 : ST_2014_NA0060_54_1_20140721_00008.jpg



This view is from the north end of the structure looking south.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the waterside of the levee / channel.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_6				
Action/Comments					
Inspector Comments: Minor trash, debris, excavation, structures, or other obstructions present within the easement.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_7				
Action/Comments					
Inspector Comments: Item does not exist on this structure					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_8				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_9				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_11				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_12				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Manual Gate Operators			38.895500 °	38.887450 °	
				-121.616950 °	-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_14					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_15				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_16				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_17				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_21				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_22				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_23				
Action/Comments					
Inspector Comments: No hazards present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2014 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 1

Pumping Plant Rating	A
Date of Inspection	07/31/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Operating Log			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_1					
Action/Comments						
Inspector Comments: The operating log is kept on site.						

Photo 1 of 1 : ST_2014_NA0060_21_1_20140731_00011.jpg



View of the operating log and telephone.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_2				
Action/Comments					
Inspector Comments: The O & M manual is currently being kept at the Sutter Maintenance yard during the pump plant reconstruction.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_3				
Action/Comments					
Inspector Comments: Plant building is mostly complete and appears to be in good working order. The project is currently under construction.					

Photo 1 of 1 : ST_2014_NA0060_21_3_20140630_00001.jpg



View of plant building under construction.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_4				
Action/Comments					
Inspector Comments: Cell phones and two-way radios are available to pump station operators. The remote control operatin system (SCADA) is currently being tested and should be ready by the start of flood season.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_5				
Action/Comments					
Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear).					

Photo 1 of 1 : ST_2014_NA0060_21_5_20140731_00012.jpg



View of the fire extinguisher and emergency shutoff switch.

LM Start	0.00	Rating **	N	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Cranes			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_6					
Action/Comments						
Inspector Comments: Cranes are not present at this site.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_7				
Action/Comments					
Inspector Comments: Pumps appear to be properly maintained and in working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Power			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_8				
Action/Comments					
Inspector Comments: The structure is on the grid with emergency backup generator.					

Photo 1 of 1 : ST_2014_NA0060_21_8_20140731_00013.jpg



View of the emergency backup generator.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operating condition.					

Photo 1 of 1 : ST_2014_NA0060_21_10_20140731_00014.jpg



Photo shows pump motors, which appear to be in operating condition.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_11				
Action/Comments					
Inspector Comments: Pump control systems on site are new and appear to be in working order.					

Photo 1 of 1 : ST_2014_NA0060_21_11_20140731_00015.jpg



View of the control room.

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_12				
Action/Comments					
Inspector Comments: Sumps are clear and free of debris.					

Photo 1 of 1 : ST_2014_NA0060_21_12_20140731_00016.jpg



View of the wet well.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_13				
Action/Comments					
Inspector Comments: No debris present on trash racks, they appear to be in good condition.					

Photo 1 of 1 : ST_2014_NA0060_21_13_20140731_00017.jpg



Photo shows properly maintained trash racks.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_14				
Action/Comments					
Inspector Comments: No trash rake at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_15				
Action/Comments					
Inspector Comments: Sluice gates appear to be in good working order.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_16				
Action/Comments					
Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition.					

Photo 1 of 1 : ST_2014_NA0060_21_17_20140731_00018.jpg



Photo shows sluice gate operators. Note: Operators can be operated either mechanically or manually.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_18				
Action/Comments					
Inspector Comments: These items appear to be in good condition and should not prevent the structure from performing as intended.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_19				
Action/Comments					
Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.					

Photo 1 of 1 : ST_2014_NA0060_21_19_20140731_00019.jpg



Photo shows flap gates and concrete outfall structure.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure present at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_21				
Action/Comments					
Inspector Comments: Site is currently secured by a masonry brick wall.					

Photo 1 of 1 : ST_2014_NA0060_21_21_20140731_00020.jpg



Photo shows masonry brick wall which encloses the pump plant.

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_22				
Action/Comments					
Inspector Comments: No visible deficiencies observed in the pipe's condition.					

Photo 1 of 2 : ST_2014_NA0060_21_22_20140630_00009.jpg



Photo shows pump intake pipe, typical.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	22 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Intake and Discharge Pipes			38.931815 °		38.931815 °
				-121.634331 °		-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_22					
Action/Comments						
Inspector Comments: No visible deficiencies observed in the pipe's condition.						

Photo 2 of 2 : ST_2014_NA0060_21_22_20140731_00021.jpg



View of the intake wells.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2014 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 2

Pumping Plant Rating	A
Date of Inspection	07/31/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Operating Log			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_1					
Action/Comments						
Inspector Comments: Operation log is located at the site.						

Photo 1 of 1 : ST_2014_NA0060_22_1_20140731_00011.jpg



View of the operating log.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_2				
Action/Comments					
Inspector Comments: O & M Manual is not at the site due to construction; O & M manual is being kept at Sutter Yard.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_3				
Action/Comments					
Inspector Comments: Plant building is currently under construction. Minor concrete spalling has been noted but it should not prevent the structure from performing as intended.					

Photo 1 of 1 : ST_2014_NA0060_22_3_20140731_00012.jpg



View of the exposed rebar. LMA noted the deficiency and will repair by next inspection.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_4				
Action/Comments					
Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control system is currently being tested and should be ready by the start of flood season.					

Photo 1 of 1 : ST_2014_NA0060_22_4_20140731_00013.jpg



View of the on-site telephone.

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_5				
Action/Comments					
Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear). Some of the hazards may include moving equipment.					

Photo 1 of 1 : ST_2014_NA0060_22_5_20140731_00014.jpg



View of the emergency shutoff switch and fire extinguisher.

LM Start	0.00	Rating **	N	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Cranes			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_6				
Action/Comments					
Inspector Comments: Cranes are not present at this site.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Pumps			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_7					
Action/Comments						
Inspector Comments: Pumps appear to be in good working order.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Power			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_8				
Action/Comments					
Inspector Comments: The structure is on the grid with emergency backup generator.					

Photo 1 of 1 : ST_2014_NA0060_22_8_20140731_00015.jpg



View of the emergency backup generator and fuel.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operating condition.					

Photo 1 of 1 : ST_2014_NA0060_22_10_20140731_00016.jpg



View of the pump motors.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_11				
Action/Comments					
Inspector Comments: Pump control systems on site are new and appear to be in working order.					

Photo 1 of 1 : ST_2014_NA0060_22_11_20140731_00017.jpg



View of the pump controls.

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_12				
Action/Comments					
Inspector Comments: Vegetation noted in one (of six) sumps, but this does not appear to be enough to inhibit pump operation.					

Photo 1 of 1 : ST_2014_NA0060_22_12_20140731_00018.jpg



Photo shows one sump with vegetation present.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_13				
Action/Comments					
Inspector Comments: Trash rack is secure and free of debris.					

Photo 1 of 1 : ST_2014_NA0060_22_13_20140731_00019.jpg



View of the trash racks.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_14				
Action/Comments					
Inspector Comments: No trash rake at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_15				
Action/Comments					
Inspector Comments: Sluice gates appear to be properly maintained and operational.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_16				
Action/Comments					
Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition.					

Photo 1 of 1 : ST_2014_NA0060_22_17_20140731_00020.jpg



Photo shows controls for sluice gates.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_18				
Action/Comments					
Inspector Comments: All other metal parts that were visible are corrosion protected.					

Photo 1 of 1 : ST_2014_NA0060_22_18_20140731_00021.jpg



View of the damaged grate.

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_19				
Action/Comments					
Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.					

Photo 1 of 1 : ST_2014_NA0060_22_19_20140731_00022.jpg



View of the flap gates.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure present at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_21				
Action/Comments					
Inspector Comments: Site is currently secured by a masonry brick wall.					

Photo 1 of 1 : ST_2014_NA0060_22_21_20140731_00023.jpg



Photo shows masonry block wall which encloses the site.

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_22				
Action/Comments					
Inspector Comments: No visible deficiencies observed in the pipe's condition.					

Photo 1 of 1 : ST_2014_NA0060_22_22_20140731_00024.jpg



View of the intake structure.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2014 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 3

Pumping Plant Rating	A
Date of Inspection	07/31/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Operating Log			39.120096 °	39.120096 °	
				-121.779234 °	-121.779234 °	
DWR ID	DWR_NA0060_23_t_2012_1					
Action/Comments						
Inspector Comments: Operation log is at the site.						

Photo 1 of 1 : ST_2014_NA0060_23_1_20140805_00010.jpg



View of the Operating Log.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_2				
Action/Comments					
Inspector Comments: O & M manual is not at the site due to construction; O & M manual is being kept at Sutter Yard.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_3				
Action/Comments					
Inspector Comments: Plant building appears to be in good working condition. The project is currently under construction.					

Photo 1 of 1 : ST_2014_NA0060_23_3_20140805_00011.jpg



View of the Plant control building.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_4				
Action/Comments					
Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control operation system (SCADA) is currently being tested and should be ready by the start of flood season.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_5				
Action/Comments					
Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear). Some of the hazards may include moving equipment.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Cranes			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_6				
Action/Comments					
Inspector Comments: Cranes are not present at this site.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_7				
Action/Comments					
Inspector Comments: Pumps appear to be properly maintained and in working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Power			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_8				
Action/Comments					
Inspector Comments: The structure is on the grid with emergency generator backup.					

Photo 1 of 1 : ST_2014_NA0060_23_8_20140805_00012.jpg



View of the emergency backup generator.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operating condition.					

Photo 1 of 1 : ST_2014_NA0060_23_10_20140805_00013.jpg



Photo shows motors which appear to be maintained and in good working condition.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_11				
Action/Comments					
Inspector Comments: Pump control systems on site are new and appear to be in working order.					

Photo 1 of 1 : ST_2014_NA0060_23_11_20140805_00014.jpg



View of the pump control panels.

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_12				
Action/Comments					
Inspector Comments: Sumps are clear and free of debris.					

Photo 1 of 2 : ST_2014_NA0060_23_12_20140805_00015.jpg



View of the wet well.

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0060_23_12_20140805_00016.jpg



View of the wet wells with controlled access.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_13				
Action/Comments					
Inspector Comments: No debris present on trash racks, they appear to					

Photo 1 of 1 : ST_2014_NA0060_23_13_20140805_00017.jpg



Photo shows trash rack free of debris and other material.

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_14				
Action/Comments					
Inspector Comments: No trash rake at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_15				
Action/Comments					
Inspector Comments: Sluice gates appear to be in good working order.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_16				
Action/Comments					
Inspector Comments: Item does not apply, gate operators are manual only.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition.					

Photo 1 of 1 : ST_2014_NA0060_23_17_20140805_00018.jpg



Photo shows manual gate operators.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_18				
Action/Comments					
Inspector Comments: All other metal parts that were visible are corrosion protected.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_19				
Action/Comments					
Inspector Comments: Flap gates appear to be in proper working condition, they show no signs of corrosion or damage.					

Photo 1 of 1 : ST_2014_NA0060_23_19_20140805_00019.jpg



Photo shows flap gates and concrete outfall structure.

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure present at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_21				
Action/Comments					
Inspector Comments: Site is currently secured by a masonry brick wall.					

Photo 1 of 1 : ST_2014_NA0060_23_21_20140805_00020.jpg



Photo shows masonry brick wall which encloses the entire structure.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_22				
Action/Comments					
Inspector Comments: No visible deficiencies observed in the pipe's condition.					

Photo 1 of 1 : ST_2014_NA0060_23_22_20140805_00021.jpg



View of the structure intake.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2014 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Sutter Bypass Weir No. 2

Structure Rating	A
Date of Inspection	07/11/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_1				
Action/Comments					
Inspector Comments: This weir is being replaced, the new weir is in the process of being built on the downstream side of weir number 2. Permit No. 18400 (CVFPB) issued 10-30-2008.					

Photo 1 of 3 : ST_2014_NA0060_10_1_20140721_00004.jpg



The view from upstream of the Sutter Bypass Weir #2.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2014_NA0060_10_1_20140721_00005.jpg



The view from downstream of the Sutter Bypass Weir #2.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2014_NA0060_10_1_20140721_00006.jpg



This is a view of the Sutter Bypass Weir #2.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.102763 °	39.102763 °	
				-121.758738 °	-121.758738 °	
DWR ID	DWR_NA0060_10_t_2012_4					
Action/Comments						
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.102763 °		39.102763 °
				-121.758738 °		-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_6					
Action/Comments						
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_10				
Action/Comments					
Inspector Comments: Trash racks are fastened in place and properly maintained.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Flap Gates			39.102763 °	39.102763 °	
				-121.758738 °	-121.758738 °	
DWR ID	DWR_NA0060_10_t_2012_11					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_12				
Action/Comments					
Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_15				
Action/Comments					
Inspector Comments: Negligible spalling, scaling, and cracking.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_16				
Action/Comments					
Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2012_19				
Action/Comments					
Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Componets of closure clearly marked and installation instructions / procedures readily available.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t _ 2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t _ 2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t _ 2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.102763 °		39.102763 °	
		-121.758738 °		-121.758738 °	
DWR ID	DWR_NA0060_10_t_2012_23				
Action/Comments					
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.102763 °	39.102763 °
				-121.758738 °	-121.758738 °
DWR ID	DWR_NA0060_10_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2014 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Tisdale Weir

Structure Rating	A
Date of Inspection	07/11/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.026713 °	39.026713 °	
				-121.821995 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_1					
Action/Comments						

Photo 1 of 7 : ST_2014_NA0060_3_1_20140721_00011.jpg



This view is of the Tisdale Weir from the right bank levee.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 7 : ST_2014_NA0060_3_1_20140721_00012.jpg



The view upstream from the structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 7 : ST_2014_NA0060_3_1_20140721_00013.jpg



The view downstream from the structure.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.026713 °	39.026713 °	
				-121.821995 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_1					
Action/Comments						

Photo 4 of 7 : ST_2014_NA0060_3_1_20140630_00002.jpg



Concrete cracking along the south wing wall.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 7 : ST_2014_NA0060_3_1_20140630_00005.jpg



Exposed rebar with lengths in excess of 6 feet. Should be cut off flush with concrete surface.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 6 of 7 : ST_2014_NA0060_3_1_20140630_00003.jpg



Exposed rebar within the structure.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_1				
Action/Comments					

Photo 7 of 7 : ST_2014_NA0060_3_1_20140630_00007.jpg



Minor concrete spalling present.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered logs in the weir and on the upstream side. The flow is not impeded.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_3				
Action/Comments					
Inspector Comments: Minimal shoaling or sedimentation present.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.026713 °	39.026713 °	
				-121.821995 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_4					
Action/Comments						
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_6				
Action/Comments					
Inspector Comments: There is some debris in the channel.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_15					
Action/Comments						
Inspector Comments: Minimal spalling, scaling or cracking on main surface of structure and wing walls.						

Photo 1 of 1 : ST_2014_NA0060_3_15_20140630_00010.jpg



This photo shows some surface damage.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_16				
Action/Comments					
Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_23				
Action/Comments					
Inspector Comments: Exposed rebar needs to be cut flush with existing concrete surface.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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Flood Control Project Maintenance
Unit Cover Sheet
2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Wadsworth Canal Weir No. 4

Structure Rating	A
Date of Inspection	07/17/2014
DWR Inspector	Bob Duffey
Accompanied By	Tim Shill DWR Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_23				
Action/Comments					
Inspector Comments: Upstream side of the structure is clear of debris.					

Photo 1 of 1 : ST_2014_NA0060_11_23_20140821_00004.jpg



View of the upstream side of the Wadsworth Canal Weir No. 4.

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_1				
Action/Comments					
Inspector Comments: There is no vegetation that would impact the flow of water.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_2				
Action/Comments					
Inspector Comments: There is no shoaling or sedimentation present.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_3				
Action/Comments					
Inspector Comments: Repair all erosion along the channel before winter.					

Photo 1 of 1 : ST_2014_NA0060_11_3_20140821_00003.jpg



View of the downstream side of the Wadsworth Canal Weir No.4 showing erosion along channel.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_4				
Action/Comments					
Inspector Comments: Extending riprap protection is properly maintained.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_5				
Action/Comments					
Inspector Comments: There are no debris obstructing the structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_6				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Racks			39.153325 °	39.153325 °	
				-121.734122 °	-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_9					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_14				
Action/Comments					
Inspector Comments: There is no spalling or cracking of the structure.					

No Photos

*** Location**

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CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_15				
Action/Comments					
Inspector Comments: There are no significant areas of tilting.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_16				
Action/Comments					
Inspector Comments: There is some erosion on the downstream side near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_17				
Action/Comments					
Inspector Comments: There is a security fence around the structure.					

No Photos

*** Location**
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CR : Crown

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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_18				
Action/Comments					
Inspector Comments: There are stop logs available for within the channel, but the structure does not have any other closure structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
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CR : Crown

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+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_21				
Action/Comments					
Inspector Comments: The mortar joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_22				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a safety program in place.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2013_24				
Action/Comments					
Inspector Comments: The yard has a copy of the O&M Manual.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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